

EAST Search History**EAST Search History (Prior Art)**

| Ref # | Hits | Search Query | DBs | Default Operator | Plurals | Time Stamp |
|-------|------|--|--|------------------|---------|------------------|
| L5 | 22 | ("2943297" "3310977" "3763463" "3817089" "3974682" "4034744" "4058114" "4084582").PN. OR ("4181120").URPN. | US_PGPUB; USPAT; USOCR | SAME | ON | 2010/06/10 13:17 |
| L6 | 0 | 128/660.ccls. | US_PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB | SAME | ON | 2010/06/10 13:19 |
| L13 | 98 | 600/456.ccls. | US_PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB | SAME | ON | 2010/06/10 13:26 |
| L14 | 0 | 13 and (window resin portion metal frame partially covered by window) | US_PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB | SAME | ON | 2010/06/10 13:27 |
| L15 | 0 | 13 and (metal frame partially covered by window) | US_PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB | SAME | ON | 2010/06/10 13:27 |
| L16 | 0 | 13 and (metal frame partially covered acoustic window) | US_PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB | SAME | ON | 2010/06/10 13:27 |
| L17 | 0 | 13 and (metal frame partially covered window) | US_PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB | SAME | ON | 2010/06/10 13:28 |
| L18 | 0 | lunii.in. | US_PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB | SAME | ON | 2010/06/10 13:28 |

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|-----|--------|--|---|------|----|---------------------|
| L19 | 4692 | kunii.in. | US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB | SAME | ON | 2010/06/10 13:29 |
| L20 | 86 | 19 and (acoustic\$4 or sonic\$4 or sound\$4 or ultrasonic\$4 or ultrasound\$4 or supersonic\$4 or supersound\$4 or megasonic\$4 or megasound\$4 or microsonic\$4 or microsound\$4 or macrosonic\$4 or macrosound\$4 or infrasonic\$4 or infrasound\$4) and (scanner or probe or transducer or unit or housing) | US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB | SAME | ON | 2010/06/10 13:30 |
| L21 | 52 | 19 and (acoustic\$4 or sonic\$4 or sound\$4 or ultrasonic\$4 or ultrasound\$4 or supersonic\$4 or supersound\$4 or megasonic\$4 or megasound\$4 or microsonic\$4 or microsound\$4 or macrosonic\$4 or macrosound\$4 or infrasonic\$4 or infrasound\$4) same (scanner or probe or transducer or unit or housing) | US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB | SAME | ON | 2010/06/10 13:30 |
| L22 | 44 | 21 and @ad< "20040728" | US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB | SAME | ON | 2010/06/10 13:31 |
| L23 | 419199 | (acoustic\$4 or sonic\$4 or sound\$4 or ultrasonic\$4 or ultrasound\$4 or supersonic\$4 or supersound\$4 or megasonic\$4 or megasound\$4 or microsonic\$4 or microsound\$4 or macrosonic\$4 or macrosound\$4 or infrasonic\$4 or infrasound\$4) same (scanner or probe or transducer or unit or housing) | US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB | SAME | ON | 2010/06/10 13:36 |
| L24 | 0 | 600/407,437.ccls. and (acoustic\$4 or sonic\$4 or sound\$4 or ultrasonic\$4 or ultrasound\$4 or supersonic\$4 or supersound\$4 or megasonic\$4 or megasound\$4 or microsonic\$4 or microsound\$4 or macrosonic\$4 or macrosound\$4 or infrasonic\$4 or infrasound\$4) same (scanner or probe or transducer or unit or housing) | US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB | SAME | ON | 2010/06/10 13:37 |
| L25 | 3100 | 600/407,437.ccls. and (acoustic\$4 or sonic\$4 or sound\$4 or ultrasonic\$4 or ultrasound\$4 or supersonic\$4 or supersound\$4 or megasonic\$4 or megasound\$4 or microsonic\$4 or microsound\$4 or macrosonic\$4 or macrosound\$4 or infrasonic\$4 or infrasound\$4) same (scanner or probe or transducer or unit or housing) | US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB | SAME | ON | 2010/06/10 13:37 |

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| L26 | 44 | 22 and @ad<"20040728" | US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB | SAME | ON | 2010/06/10 13:37 |
| L27 | 1982 | 25 and @ad<"20040728" | US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB | SAME | ON | 2010/06/10 13:37 |
| L28 | 6 | 27 and (metal frame (resin or elastic or window)) | US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB | SAME | ON | 2010/06/10 13:39 |
| L29 | 1 | ((acoustic\$4 or sonic\$4 or sound\$4 or ultrasonic\$4 or ultrasound\$4 or supersonic\$4 or supersound\$4 or megasonic\$4 or megasound\$4 or microsonic\$4 or microsound\$4 or macrosonic\$4 or macrosound\$4 or infrasonic\$4 or infrasound\$4) near3 window) comprising resin metal portion | US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB | WITH | ON | 2010/06/10 15:02 |
| L30 | 3 | ((acoustic\$4 or sonic\$4 or sound\$4 or ultrasonic\$4 or ultrasound\$4 or supersonic\$4 or supersound\$4 or megasonic\$4 or megasound\$4 or microsonic\$4 or microsound\$4 or macrosonic\$4 or macrosound\$4 or infrasonic\$4 or infrasound\$4) near3 window) comprising metal portion | US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB | WITH | ON | 2010/06/10 15:02 |
| L31 | 2 | "US 7575552" | US-PGPUB; USPAT; USOCR; DERWENT | SAME | ON | 2010/06/10 15:14 |
| L32 | 10 | ("20010041856" "20020055702" "20030190336" "20030229283" "20040010222" "20050154239" "4494548" "5460179" "5722397" "7001355").PN. OR ("7575552").URPN. | US-PGPUB; USPAT; USOCR | SAME | ON | 2010/06/10 15:14 |
| L33 | 20214 | saito.in. | US-PGPUB; USPAT; USOCR | SAME | ON | 2010/06/10 15:15 |
| L34 | 28 | saito.in. and koetsu.in. | US-PGPUB; USPAT; USOCR | SAME | ON | 2010/06/10 15:15 |
| L35 | 25 | 34 and @ad<"20050726" | US-PGPUB; USPAT; USOCR | SAME | ON | 2010/06/10 15:19 |
| L36 | 1 | (10/521045).APP. | US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB | OR | OFF | 2010/06/10 15:43 |

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|-----|------|--|--|------|-----|------------------|
| L37 | 13 | ("5400785") or ("3939123") or ("4120291") or ("20010029335") or ("5078149").PN. | US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB | OR | OFF | 2010/06/10 15:50 |
| L41 | 9 | ("20010031922" "20020010414" "20050096542" "20060235300" "5295487" "5300068" "5810009" "6100626" "7063666").PN. OR ("7648459").URPN. | US-PGPUB; USPAT; USOCR | SAME | ON | 2010/06/10 16:06 |
| L42 | 2 | ultraso\$8 with assmebly | US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2010/06/10 16:06 |
| L44 | 63 | "4523122" | US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2010/06/10 16:12 |
| L45 | 12 | (("4523122") or ("4722345") or ("4616152") or ("4961176") or ("5030874") or ("6551247")).PN. | US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB | OR | OFF | 2010/06/10 16:13 |
| S1 | 1719 | 600/459.ccls. | US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2008/12/22 08:37 |
| S2 | 4399 | ultraso\$8 with (probe or transducer) with (frame or support) | US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2008/12/22 08:39 |
| S3 | 239 | S1 and S2 | US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2008/12/22 08:39 |
| S4 | 187 | S3 and @ad<"20050726" | US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2008/12/22 08:42 |
| S5 | 2 | "US 20070167820" | US-PGPUB; USPAT; USOCR; DERWENT | OR | ON | 2008/12/22 08:48 |

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|-----|-------|---|---|----|----|---------------------|
| S6 | 3085 | ultraso\$8 with transducer with (frame or support) | US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2008/12/22 09:44 |
| S7 | 4 | S6 with (window or surface or contact) with resin | US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2008/12/22 09:44 |
| S8 | 781 | S6 with (window or surface or contact) | US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2008/12/22 09:45 |
| S9 | 646 | S8 and @ad<"20050726" | US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2008/12/22 09:45 |
| S10 | 0 | S8 with (medium near4 space) with (frame adj2 contact) | US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2008/12/22 09:48 |
| S12 | 0 | ultraso\$8 with assmembly | US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2008/12/22 09:48 |
| S13 | 14477 | ultraso\$8 with assembly | US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2008/12/22 09:49 |
| S14 | 2 | "5460179".pn. | US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2008/12/22 10:23 |
| S15 | 0 | ("2007/0112271").URPN. | USPAT | OR | ON | 2008/12/22 10:28 |
| S16 | 1485 | S1 and @ad<"20050726" | US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2008/12/22 10:34 |

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|-----|-------|---|---|----|----|---------------------|
| S17 | 54576 | ultraso\$8 with transducer | US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2008/12/22 10:56 |
| S18 | 7277 | ultraso\$8 with transducer with (window or face or contact) | US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2008/12/22 10:56 |
| S19 | 2 | S18 and (contact with resin with metal with portion) | US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2008/12/22 10:57 |
| S20 | 2 | "5048529".pn. | US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2008/12/22 10:58 |
| S21 | 0 | ultraso\$4 same (transducer adj2 (window or surface)) with (resin or polymer) with metal with portion | US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2008/12/22 11:01 |
| S22 | 2 | ultraso\$4 same (transducer adj2 (window or surface)) with (resin or polymer) with metal | US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2008/12/22 11:01 |
| S23 | 28 | ("4528652").URPN. | USPAT | OR | ON | 2008/12/22 11:03 |
| S24 | 0 | (ultraso\$8 with probe) with (contact with (polymer with surround with metal)) | USPAT | OR | ON | 2008/12/22 11:36 |
| S25 | 0 | (ultraso\$8 with probe) with (contact with polymer with metal) | USPAT | OR | ON | 2008/12/22 11:36 |
| S26 | 0 | (ultraso\$8 with probe) with (face with polymer with metal) | USPAT | OR | ON | 2008/12/22 11:37 |
| S27 | 0 | (ultraso\$8 with probe) with (surface with polymer with metal) | USPAT | OR | ON | 2008/12/22 11:37 |
| S28 | 0 | (ultraso\$8 with probe) and (contact with polymer with metal with assembly) | USPAT | OR | ON | 2008/12/22 11:41 |
| S29 | 7453 | S13 and ((window or contact or coupling or surface) with assembly) | US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2008/12/22 11:42 |

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|-----|------|--|---|----|----|---------------------|
| S30 | 1485 | S1 and @ad<"20050726" | US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2008/12/22 12:07 |
| S31 | 83 | S30 and ultrason\$8 with probe with assembly | US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2008/12/22 12:08 |
| S32 | 5 | ("4181120" "5460179").PN. | US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2008/12/22 12:57 |
| S33 | 2 | "US 20070167820" | US-PGPUB; USPAT; USOCR; DERWENT | OR | ON | 2009/06/30 09:34 |
| S34 | 2 | S33 and (frame with metal) | US-PGPUB; USPAT; USOCR; DERWENT | OR | ON | 2009/06/30 09:34 |
| S35 | 1 | hirayama.in. and (ultrasonic same frame same window).clm. | US-PGPUB; USPAT; USOCR; DERWENT | OR | ON | 2009/06/30 14:15 |
| S36 | 1 | shinkai.in. and (ultrasonic same frame same window).clm. | US-PGPUB; USPAT; USOCR; DERWENT | OR | ON | 2009/06/30 14:15 |
| S37 | 0 | shinkai.in. and (ultrasonic same metal near frame same window).clm. | US-PGPUB; USPAT; USOCR; DERWENT | OR | ON | 2009/06/30 14:16 |
| S38 | 0 | shinkai.in. and (ultrasonic same (metal near2 frame) same window).clm. | US-PGPUB; USPAT; USOCR; DERWENT | OR | ON | 2009/06/30 14:16 |
| S39 | 1 | shinkai.in. and (ultrasonic and (metal near2 frame) and window).clm. | US-PGPUB; USPAT; USOCR; DERWENT | OR | ON | 2009/06/30 14:16 |
| S40 | 1816 | 600/459.ccls. | US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2009/06/30 14:17 |
| S41 | 0 | S40 and (ultrasonic and (metal near2 frame) and window).clm. | US-PGPUB; USPAT; USOCR; DERWENT | OR | ON | 2009/06/30 14:17 |

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|-----|------|--|---|------|----|---------------------|
| S42 | 3 | S40 and (ultrasonic same frame same window).clm. | US-PGPUB; USPAT; USOCR; DERWENT | OR | ON | 2009/06/30 14:18 |
| S43 | 16 | S40 and (ultrasonic same frame same window) | US-PGPUB; USPAT; USOCR; DERWENT | OR | ON | 2009/06/30 14:18 |
| S44 | 14 | S43 and @ad< "20050726" | US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2009/06/30 14:18 |
| S45 | 4 | S40 and (ultrasonic and (metal near2 frame) and window) | US-PGPUB; USPAT; USOCR; DERWENT | OR | ON | 2009/06/30 14:19 |
| S46 | 4 | S45 and @ad< "20050726" | US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2009/06/30 14:19 |
| S47 | 3925 | 600/437,443,444,446,447.ccls. and (acoustic\$4 or sonic\$4 or sound\$4 or ultrasonic\$4 or ultrasound\$4 or supersonic\$4 or supersound\$4 or megasonic\$4 or megasound\$4 or microsonic\$4 or microsound\$4 or macrosonic\$4 or macrosound\$4 or infrasonic\$4 or infrasound\$4) and (transducer coupling fluid window) | US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2009/12/09 09:03 |
| S48 | 26 | 600/437,443,444,446,447.ccls. and (acoustic\$4 or sonic\$4 or sound\$4 or ultrasonic\$4 or ultrasound\$4 or supersonic\$4 or supersound\$4 or megasonic\$4 or megasound\$4 or microsonic\$4 or microsound\$4 or macrosonic\$4 or macrosound\$4 or infrasonic\$4 or infrasound\$4) and (transducer coupling fluid window) | US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB | SAME | ON | 2009/12/09 09:04 |
| S49 | 22 | S48 and @ad< "20040728" | US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB | SAME | ON | 2009/12/09 09:04 |
| S50 | 22 | ("2943297" "3310977" "3763463" "3817089" "3974682" "4034744" "4058114" "4084582").PN. OR ("4181120").URPN. | US-PGPUB; USPAT; USOCR | SAME | ON | 2009/12/09 10:17 |

6/10/2010 5:18:07 PM

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